

ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 1

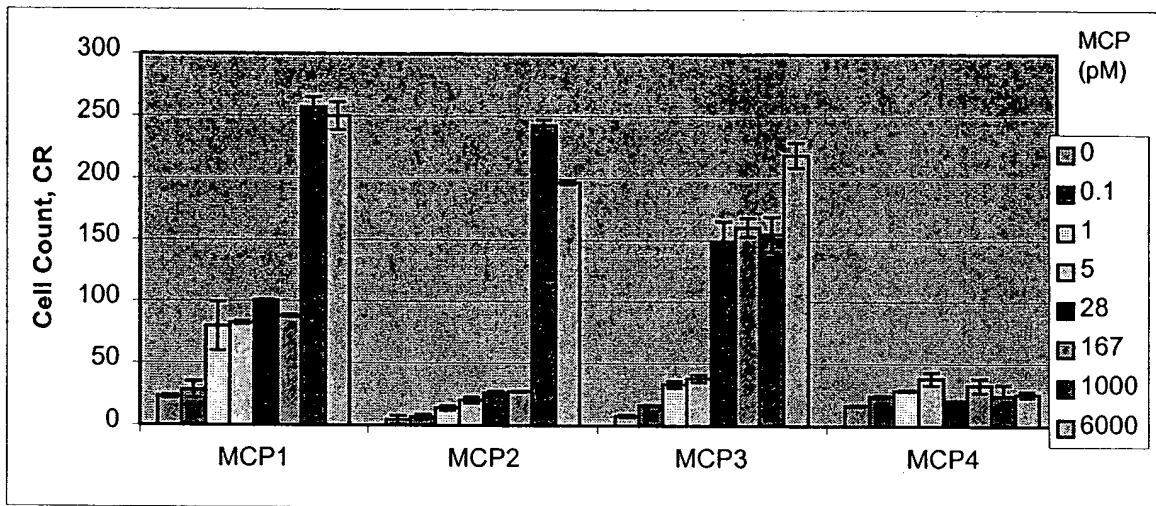
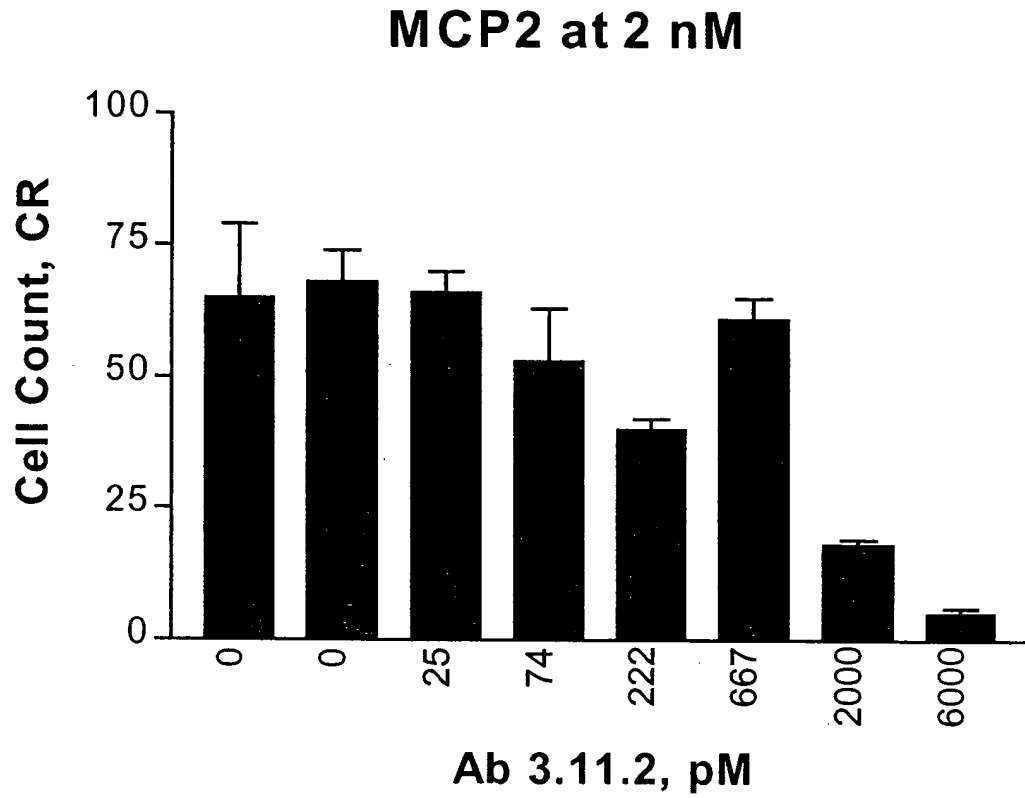


Figure 2



ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 3

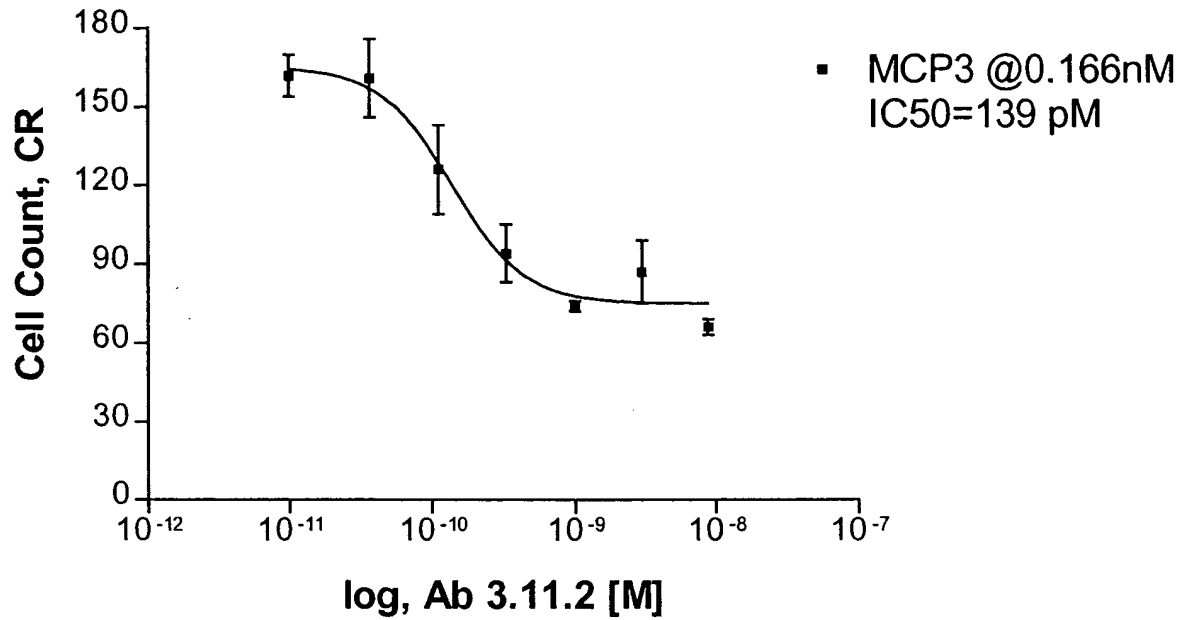
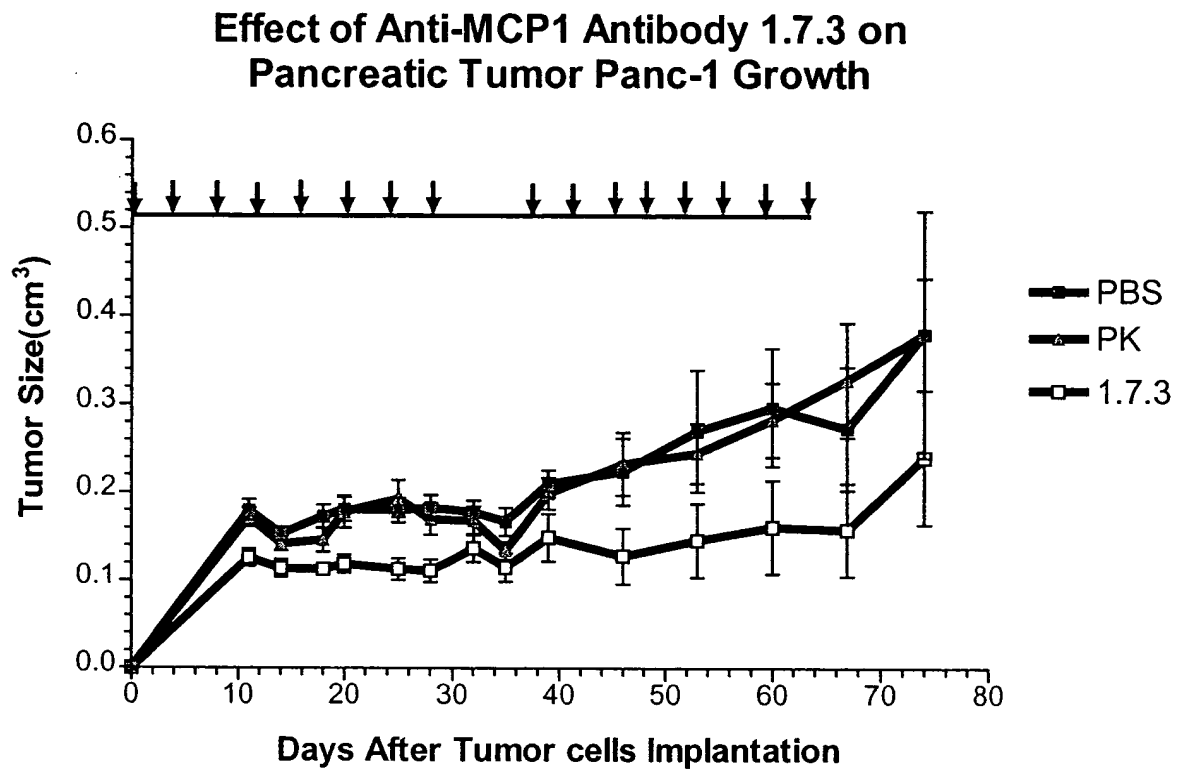


Figure 4



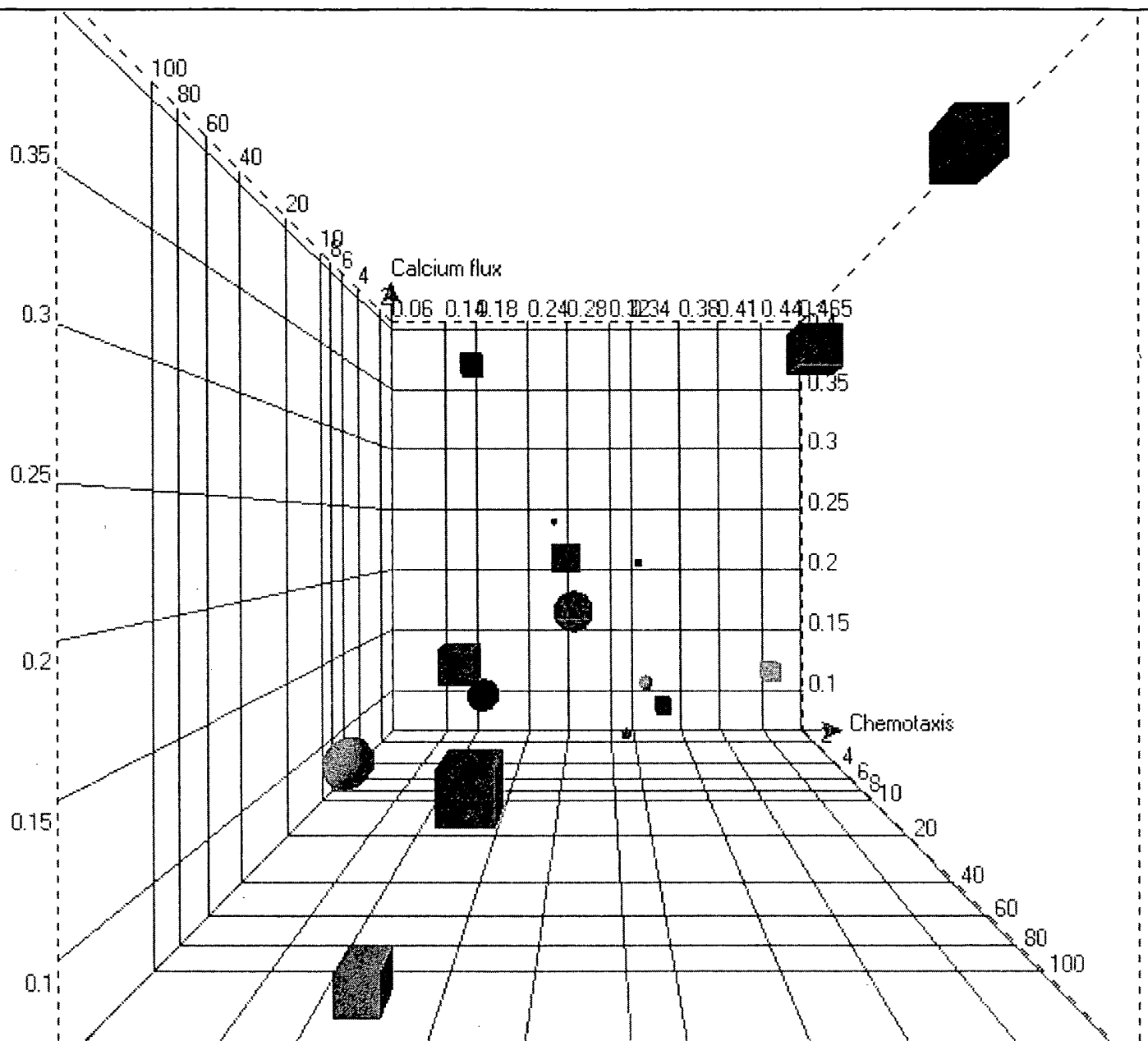
ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 5

MCP1 mAbs



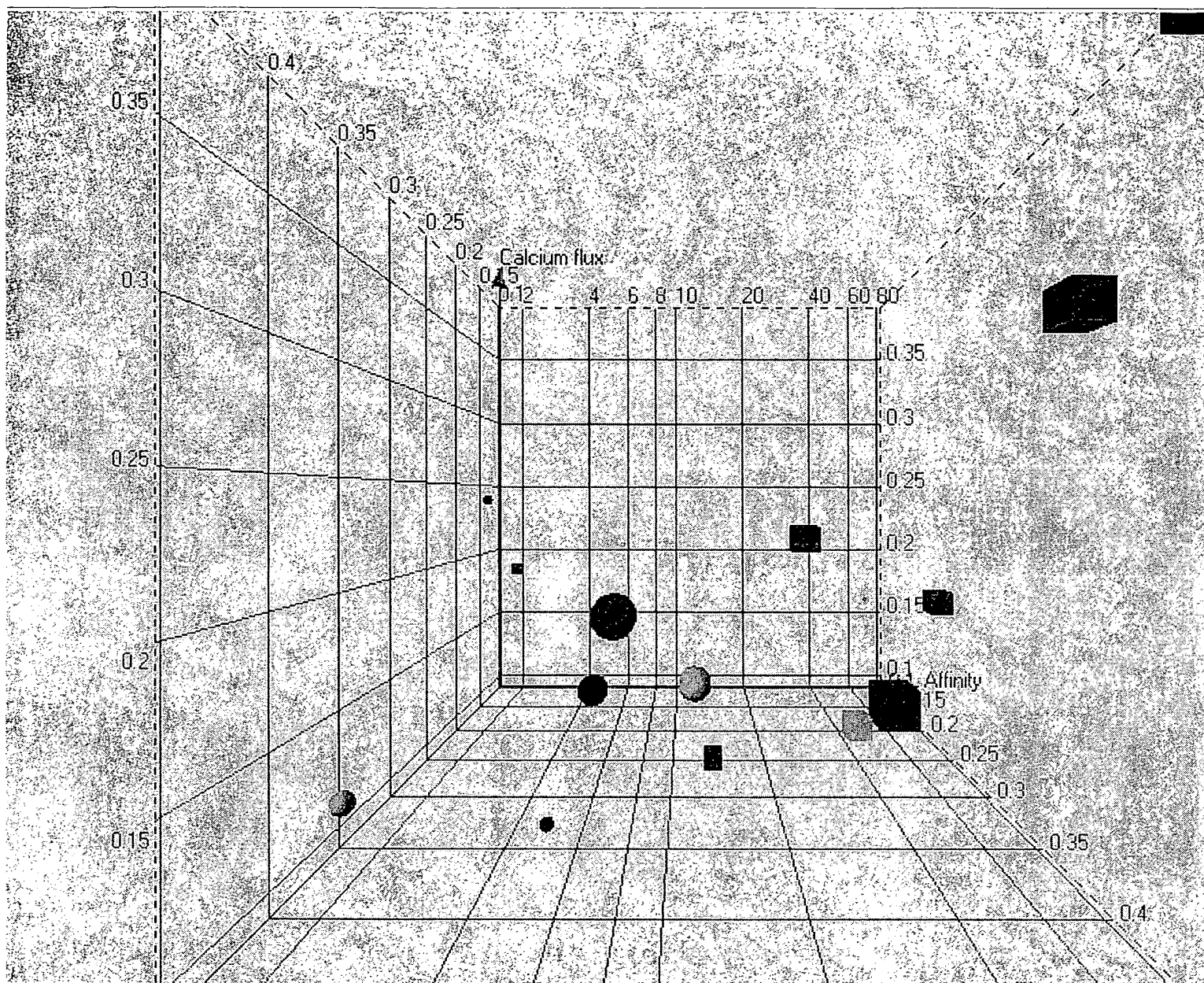
ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 6

Scatter Plot



ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 7A

Alignment of sequences using VH1-24

	<u>CDR1</u>	<u>CDR2</u>
VH1-24	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY	
MCP1-1.1.1 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGNGLWMMGGFDPEDGETIY	
MCP1-1.10 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.11 _{HC}	QVQVVQSGAEVKNPGASVKVSKVSGSTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.12 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.13 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGHTLTELSMHWVRQAPGKLEWMGGFDPEDDETIY	
MCP1-1.18 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.2 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTFTELSMHWVRQAPGKLEWMGGFDPEDGETSY	
MCP1-1.3 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRRIIPGKLEWMGGFDPEDGETIY	
MCP1-1.5.1 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDDETIY	
MCP1-1.6 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.7 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.8 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGHIFTELSIHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-1.9 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIN	
MCP1-2.3 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDDETIY	
MCP1-3.10 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-3.15 _{HC}	QVQLVQSGAEVKKPGASVQVSKVSGDTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-3.16 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTDLSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-3.2 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLSELSMHWVRQAPGKLEWMGGFDPEDGEI IH	
MCP1-3.4 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETMY	
MCP1-3.5 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLSELSMHWVRQAPGKLEWMGGFDPEDDETIY	
MCP1-3.6 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-3.7 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQTPGKLEWMGGFDPEDGETIY	
MCP1-3.8 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPENGETIH	
MCP1-4.5 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-4.6.3 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-4.7 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-5.3 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLSELSMHWVRQAPGKLEWMGGFDPEDGETIY	
MCP1-4.8.1 _{HC}	QVQLVQSGAEVKKPGASVKVSKVSGYTLTELSMHWVRQAPGKLEWMGGFDPEDGETIY	

ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 7A (cont.)

	CDR2	CDR3
VH1-24	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCAT-----
MCP1-1.1.1_HC	AQRFQGRVMTEDPSTD	TAYMELSSLRSEDTAVYYCATNEFWSGYF-----DYWGQGT
MCP1-1.10_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNEFWSGYF-----DYWGQGT
MCP1-1.11_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNDFWSGYF-----DYWGQGT
MCP1-1.12_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNDFWSGYF-----NYWGQGT
MCP1-1.13_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNDFWSGYF-----DCWGQGT
MCP1-1.18_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATREFWTGYF-----DHWGQGT
MCP1-1.2_HC	AQKFRGRVTMTEDTSTD	TAHMESSLRSEDTAVYYCATNDFWSGYF-----DYWGQGT
MCP1-1.3_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNDFWSGYW-----GHWGQGT
MCP1-1.5.1_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYFCATNDFWSGYF-----DCWDQGT
MCP1-1.6_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATWYSGIYLAF----DIWGQGT
MCP1-1.7_HC	AQKFQGRVMTEDTSTD	TAYMELSSLRSEDTAVYFCATNEFWSGYF-----DYWGQGT
MCP1-1.8_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNDFWSGYF-----DYWGQGT
MCP1-1.9_HC	AQKFQGRVTMTEDTSTD	TGYMELSSLRSEDTAVYYCATDPGGYSGYF----DHWGQGT
MCP1-2.3_HC	AQKFQGRVTMTEDTSTH	TAYMELSSLRSEDTAVYYCATHDFWSAYF-----YYWGQGT
MCP1-3.10_HC	AQKFQGRVMTEDTSTD	TAFMLSSLRSEDTAVYYCATDDMLTPHYLYFGMDVWGQGT
MCP1-3.15_HC	ARKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYFCATDSRGYSGYF----DNWGQGT
MCP1-3.16_HC	AQKFQGRVTMTEDTSSD	TAYMELSSLRSEDTAVYYCATHEFWSGYF-----DYWGQGT
MCP1-3.2_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATGDFWSGYLYL----DWWGQGT
MCP1-3.4_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATDDFWSGYF-----DYWGQGT
MCP1-3.5_HC	AQKFQGRVTMTEDTSTD	TAFMLSSLRSEDTAVYYCATHDFWSGYF-----HYWGQGT
MCP1-3.6_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCAIHEFWSGYF-----DYWGQGT
MCP1-3.7_HC	AQKFQDRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATNDFWTGYF-----DYWGQGT
MCP1-3.8_HC	AQKFQGRVIMTEDTSTD	TAYMELSSLRSEDTAVYYCATDQGGYSGYF----DCWGQGT
MCP1-4.5_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATDDFWSGYF-----DYWGQGT
MCP1-4.6.3_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATDDFWSGYF-----DYWGQGT
MCP1-4.7_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVYYCATDDFWSGYF-----DYWGQGT
MCP1-5.3_HC	AQKFQGRVTMTEDTSTD	TAYMELSSLRSEDTAVFYCATKREYSGYF-----DYWGQGT
MCP1-4.8.1_HC	AQKFQGRVTMTEDTSTD	TAYMELSLRTEDTAVYYCTDDFWSGYF-----DYWGQGT

ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 7A (cont.)

VH1-24	---
MCP1-1.1.1_HC	VSS
MCP1-1.10_HC	VSS
MCP1-1.11_HC	VSS
MCP1-1.12_HC	VSS
MCP1-1.13_HC	VSS
MCP1-1.18_HC	VSS
MCP1-1.2_HC	VSS
MCP1-1.3_HC	VSS
MCP1-1.5.1_HC	VSS
MCP1-1.6_HC	VSS
MCP1-1.7_HC	VSS
MCP1-1.8_HC	VSS
MCP1-1.9_HC	VSS
MCP1-2.3_HC	VSS
MCP1-3.10_HC	VSS
MCP1-3.15_HC	VSS
MCP1-3.16_HC	VSS
MCP1-3.2_HC	VSS
MCP1-3.4_HC	VSS
MCP1-3.5_HC	VSS
MCP1-3.6_HC	VSS
MCP1-3.7_HC	VSS
MCP1-3.8_HC	VSS
MCP1-4.5_HC	VSS
MCP1-4.6.3_HC	VSS
MCP1-4.7_HC	VSS
MCP1-5.3_HC	VSS
MCP1-4.8.1_HC	VSS

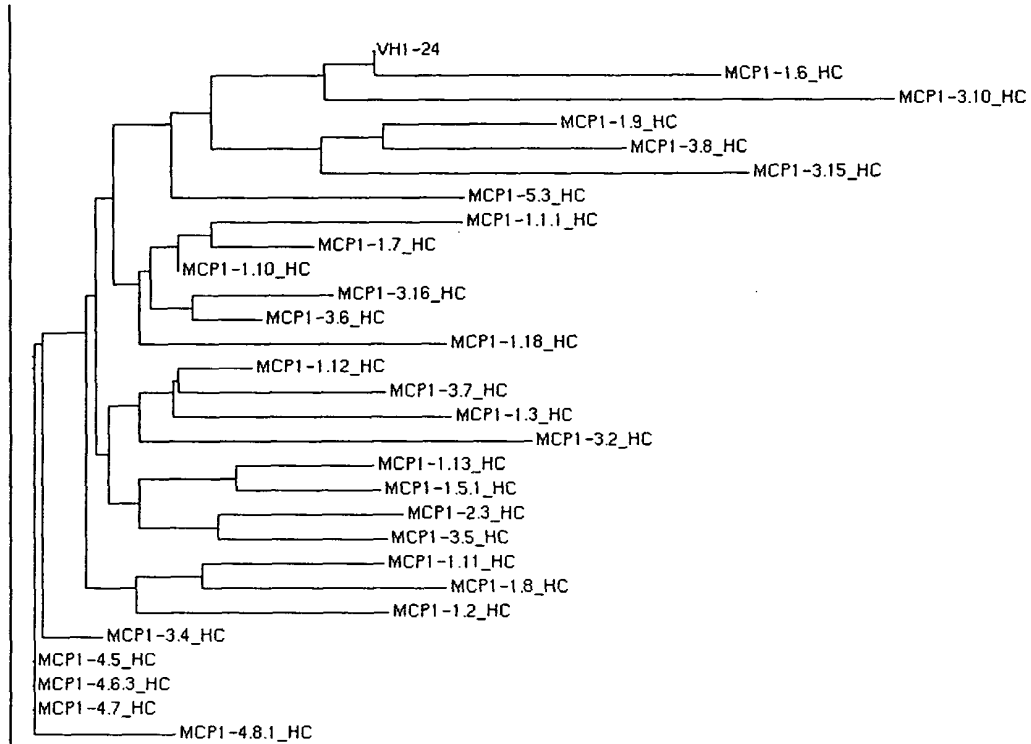
ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 7B

Dendrogram:



ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 8A

Alignment of sequences using VK-B3

	CDR1	CDR2
VK-B3	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLAWYQQKPGQPPKLLIYWASTR	
MCP1-1.1.1 _{LC}	DIVMTQSPDSLAMSLGERATINCKSSQSVLYSSNNKNYLVWYQQKPGQPPKLLIYWASIR	
MCP1-1.10 _{LC}	DIVMTQSPASLAESLGERATINCKSSQSVLYSSNNKNYLVWYQQKLGQPPKLLIYWASTR	
MCP1-1.11 _{LC}	DIVMTQSPDSLAVSLGERATITCKSSQTVLYSSNNKNYLVWYQQKSGQPPKLLIHWASIR	
MCP1-1.12 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLVWYQQKPGQPPKLLIYWASIR	
MCP1-1.13 _{LC}	DIVMTQSPDSLAVCLGERATINCKSSQSVLYSPNNKNFLVWYQQRPGQPPKLLIYWASTR	
MCP1-1.14.1.1 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYIVWYQQKPGQPPKLLIYWTSTR	
MCP1-1.18 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLVWYQQKPGQPPKLLIYWASIR	
MCP1-1.3 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLAWYXQKPGQPPKLLIYWTYIR	
MCP1-1.5.1 _{LC}	DIVMTQSPDSLAAVLGERATINCKSSQSVLYRSNNKNYLVWYQQKPGQPPKLLIYWASIR	
MCP1-1.7 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLVWYQQRPGQPPKLLIYWASTR	
MCP1-1.8 _{LC}	DIVMTQSPGSLAVSLGERATINCKSSQSILFRSNNKNYLTWYQQKPGQPPKLLIYWASIR	
MCP1-1.9 _{LC}	DIVMTQSPDFLAVSLGERPTINCKSSQSVFYSSNNKNYLVWYQQKPGQPPKLLIYWASTR	
MCP1-2.3 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYGSNNKSYLAWYQQKPGQPPKLLIYWASTR	
MCP1-3.14.1.1 _{LC}	DIVMTQSPDSLAVSLGERAAINCKSSQTVLYSSNNKNYLVWYQQKPGQPPKLLIYWASTR	
MCP1-3.15 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNNNYLVWYQQKPGQPPKLLIYWASTR	
MCP1-3.16 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLFSSNNKSYLTWYQQKPGQPPKLLIFWASIR	
MCP1-3.4 _{LC}	DIVMTQSPDSLAVSLDERATINCKSSQSVLYSPNQKNYLVWYQQKPGQPPKLLIYWASIR	
MCP1-3.5 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSDNKSYLVWYQQKPGQPPKVLIIYWASIR	
MCP1-3.6 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSLSVLYSSNNKNYLVWYLQKPGQPPKLLIYWASTR	
MCP1-3.7 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLVWYQQKPGQPPKTLIIYWASTR	
MCP1-3.8 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSILYSSNNKNYLVWYQQKPGQPPKLLIYWASTR	
MCP1-4.5 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYRSNNKSYLVWYQQKLGQSPKLLIYWASTR	
MCP1-4.6.3 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLVWYQQKPGQPPKLLIYWASTR	
MCP1-4.7 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLAWYQQKPGQPPKLLIYWTSTR	
MCP1-4.8.1 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSLLYSSKNKNYLVWYQQKPGQPPKLLINWASTR	
MCP1-5.3 _{LC}	DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNSKNYLAWFQQKPGQPPKLLIYWASTR	

ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 8A (cont.)

CDR2	CDR3
VK-B3	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSTP-----
MCP1-1.1.1_LC	ESGVPPDRFSSSGSETDFTLTISSLQAEDVAVYYCQQYFSSPWTFGQGTKVEIK
MCP1-1.10_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYRSPWTFGQGTKVEIK
MCP1-1.11_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-1.12_LC	ESGVPPDRFSGSGSGTDFTLTINSLQAEDVAVYYCQQYFYSPWTFGQGTKVEIK
MCP1-1.13_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-1.14.1.1_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYFSSPWTFGQGTKVDIK
MCP1-1.18_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSTPLTFGGGTKVEIK
MCP1-1.3_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQEHYIPWTFGQGTKVEIK
MCP1-1.5.1_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYFCQQYYSSPWTFGQGTKVEIK
MCP1-1.7_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYFYSPWTFGQGTKVEIK
MCP1-1.8_LC	ESGVPPDRFSGSGSGSNFTLTITSLQAEDVAIYYCQQYYSSPWTFGQGTKVEIK
MCP1-1.9_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-2.3_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQHYSTPCSFQGTKLEIK
MCP1-3.14.1.1_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYKSPWTFGQGTKVEIK
MCP1-3.15_LC	EEGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYFSPWTFGQGTKVEIK
MCP1-3.16_LC	ESGVPPDRISGSGSGTDLTLTISSLQAEDAAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-3.4_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQSYFTPWTFGQGTKVEIK
MCP1-3.5_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYTSPWTFGQGTKVEIK
MCP1-3.6_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-3.7_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVGYYCQQYYTSPWTFGQGTKVEIK
MCP1-3.8_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSSPPTFGQGTKVEIK
MCP1-4.5_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSTPWTFGQGTKVEIK
MCP1-4.6.3_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSPWTFGQGTKVEIK
MCP1-4.7_LC	ESGVPPDRFSGSGSVTDFTLTISSLQAEDVAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-4.8.1_LC	ESGVPPDRFSGSGSGTDFTLTISSLQAEDVAVYYCQQYYSSPWTFGQGTKVEIK
MCP1-5.3_LC	ESGVPPDRFSGSGSGTDFTLTISRLLQAEDVAVYSCQQYFITPWTFGQGTKVELK

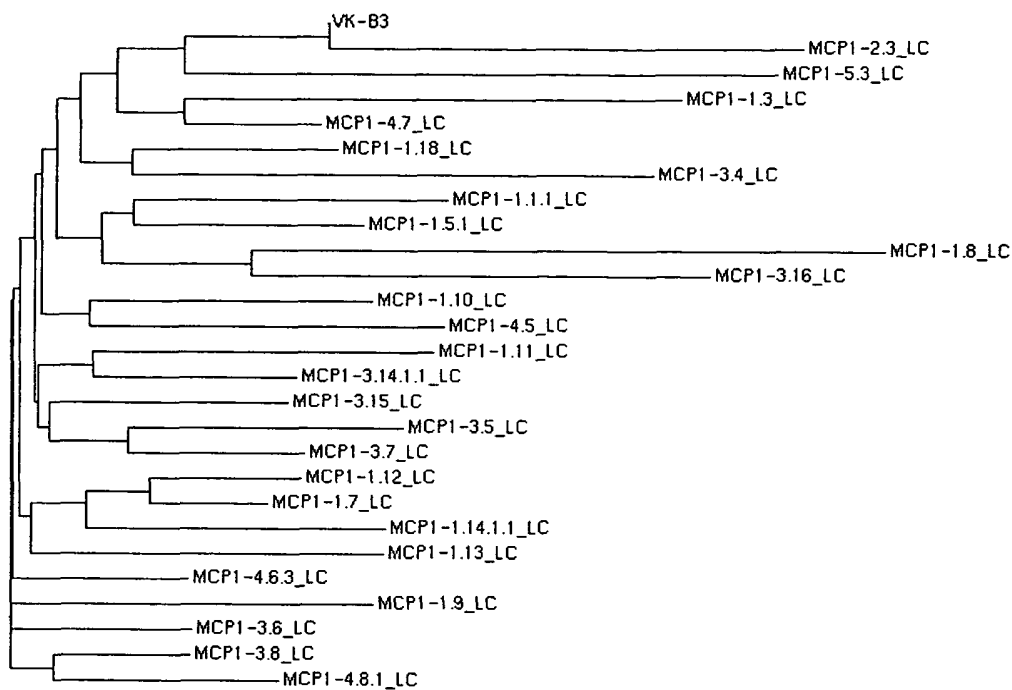
ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 8B

Dendrogram:



ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 9A

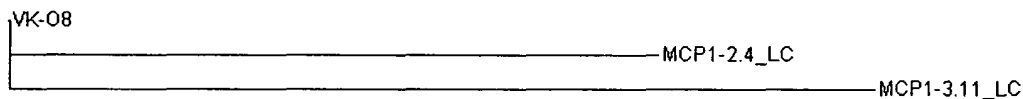
Alignment of sequences using VK-O8

	<u>CDR1</u>	<u>CDR2</u>
VK-O8	DIQMTQSPSSLSASVGDRVTITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPS	
MCP1-2.4_LC	DIQMTQSPSSLSASVGDRVTITCQASQDITTYLNWYQQKPGKAPKLLIYDASNLETGVPS	
MCP1-3.11_LC	DIQMTQSPSSLSASVGDRVTITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPS	
	*****:*****	

	<u>CDR3</u>
VK-O8	RFSGSGSGTDFTFTISSLPEDIATYYCQQYDNLP-----
MCP1-2.4_LC	RFSGSGSGTDFTFTISSLPEDIATYYCQQYDNLPITFGQGRLEIK
MCP1-3.11_LC	RFSGSGSGTDFTFTINSLPEDIATYYCQEYNNLPYSFGQGTKLEIK
	*****:***

Figure 9B

Dendrogram:



ANTIBODIES DIRECTED TO MONOCYTE CHEMO-ATTRACTANT
PROTEIN-1 (MCP-1) AND USES THEREOF

Gudas et al.

Appl. No.: Not Assigned Atty Docket: ABGENIX.091A

Figure 10A

Alignment of sequences using VH6-1

	<u>CDR1</u>	<u>CDR2</u>
VH6-1	QVQLQQSGPGLVKPSQTLSTLCAISGDSVSSNSAAWNWIQSPSRGLEWLGRTYYRSKWY	
MCP1-1.4.1.1_HC	QVQAEQSGPGLVKPSQTLSTLCAISGDSVSSNSAAWNWIQSPSRGLEWLGRTYYRSKWY	
MCP1-1.14.1.1_HC	QVQAEQSGPGLVKPSQTLSTLCAISGDSVSSNSAAWNWIQSPSRGLEWLGRTYYRSKWY	
MCP1-3.14.1.1_HC	QVQAEQSGPGLVKPSQTLSTLCAISGDSVSSNSAAWNWIQSPSRGLEWLGRTYYRSKWY	
	<u>CDR2</u>	<u>CDR3</u>
VH6-1	NDYAVSVKSRITINPDTSKNQFSLQLNSVTPEDTAVYYCAR-----	
MCP1-1.4.1.1_HC	SDHAVSVRSRITIYPDTSKNQFSLQLNSVTPEDTAVYYCARDRISGTYVGMDVWGQGTTV	
MCP1-1.14.1.1_HC	SDHAVSVRSRITIYPDTSKNQFSLQLNSVTPEDTAVYYCARDRISGTYVGMDVWGQGTTV	
MCP1-3.14.1.1_HC	SDHAVSVRSRITIYPDTSKNQFSLQLNSVTPEDTAVYYCARDRISGTYVGMDVWGQGTTV	
VH6-1	---	
MCP1-1.4.1.1_HC	VSS	
MCP1-1.14.1.1_HC	VSS	
MCP1-3.14.1.1_HC	VSS	

Figure 10B

Dendrogram:

